CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP, Bangalore.

13th March 2015

Dear Sir,

Sub: Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

AE-8

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division.
Name of Agency	Sri. Bharath K. S.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (Pavement)	13/02/2015	13/03/2015	28	8.16	485	**21.56**	**21.48**
2					8.15	475	**21.11**	
3					8.17	490	**21.78**	

Note:
1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

AE-B

CIVIL TECH LABS

Accredited by **NABL** as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Kodigehalli Sub Division,
BBMP, Bangalore.

03rd February 2015

Dear Sir,

Sub: Testing of Materials.

As requested, tests on physical properties were carried out for the materials supplied by you, for the work of **'Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division'.**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS BANGALORE

AE-8

CIVIL TECH LABS
5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560 027
Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division.
Name of the Agency	Sri. Bharath K. S.
Date of Testing	03/02/2015
Specific Gravity	**2.68**
Water Absorption in %	**0.29**

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	**Satisfies the requirement**
40	**99.2**	95-100	
20	**56.4**	30-70	
10	**25.3**	10-35	
4.75	**3.8**	0-5	

AE-B

Note:

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3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
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Ph: 080 - 41142867, Email: civiltechlabs@gmail.com

TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division.
Name of the Agency	Sri. Bharath K. S.
Date of Testing	03/02/2015
Specific Gravity	**2.57**

Sample	IS Sieve designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970				Grading Zone
			ZONE-I	ZONE-II	ZONE-III	ZONE-IV	
River Sand	10	**100**	100	100	100	100	II
	4.75	**98.3**	90-100	90-100	90-100	95-100	
	2.36	**86.8**	60-95	75-100	85-100	95-100	
	1.18	**75.3**	30-70	55-90	75-100	90-100	
	0.6	**46.1**	15-34	35-59	60-79	80-100	
	0.3	**23.6**	5-20	8-30	12-40	15-50	
	0.15	**8.8**	0-10	0-10	0-10	0-15	

AE-B

Note:

1. The results relate only to the items tested.
2. Report shall not be reproduced except in full, without the written approval of the lab.
3. Any correction invalidates this report.
4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech labs

CIVIL TECH LABS BANGALORE

CIVIL TECH LABS
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TEST REPORT

TEST ON CEMENT

Name & Address of the Customer	AEE, Kodigehalli Sub Division, BBMP
Name of Work	Providing and Fixing new Street Signage Boards in Ward No. 08, Kodigehalli Sub Division.
Name of the Agency	Sri. Bharath K. S.
Date of Testing	03/02/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	**IS-4031 (Part-5) 1988**	VICAT	54	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	**IS-4031 (Part-5) 1988**	VICAT	489	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	**IS-4031 (Part-3) 1988**	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

AE-8

Note:

1.The results relate only to the items tested.

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3.Any correction invalidates this report.

4.The results are based on the test conducted on samples supplied by the client.

CIVIL TECH LABS BANGALORE

Lab Incharge
Civil Tech Labs

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.08/KSB/CUBE/2014-15

25.03.2015

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Kodigehalli Sub Division, BBMP, Bangalore.

Agency : **Mr. K.S. Bharath,** Contractor, Bangalore.

Name of the work : Providing & fixing new Street Signage Boards in Ward No.08, Kodigehalli Sub Division, BBMP, Bangalore.

Sample ID : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{20}

Compressive Strength as on : 28th day

AE-8

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.02.2015	25.03.2015	8.195	475.5	21.13
2	25.02.2015	25.03.2015	8.265	490.2	21.79
3	25.02.2015	25.03.2015	8.341	515.3	22.90

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory
3. Any Query regarding the report must be reported within 30 days from the date of testing.

VISHWANATH. I.A.
Chief Executive Officer

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79.

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E-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com